

FIGURE 1

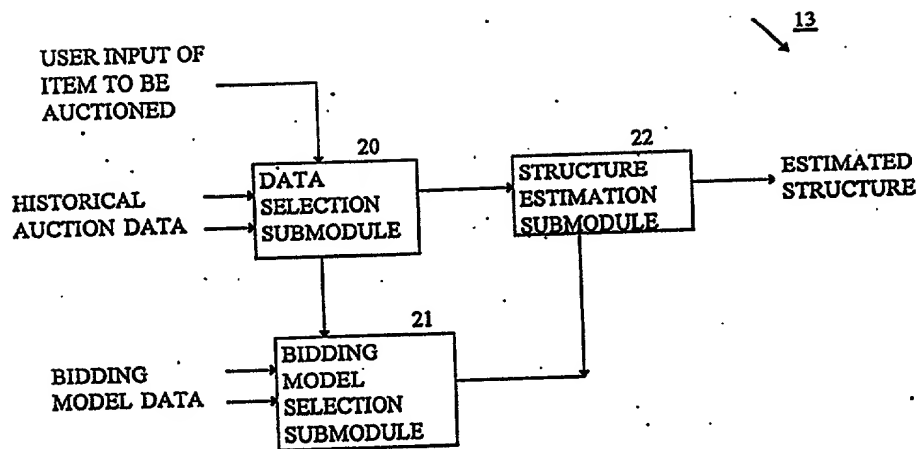
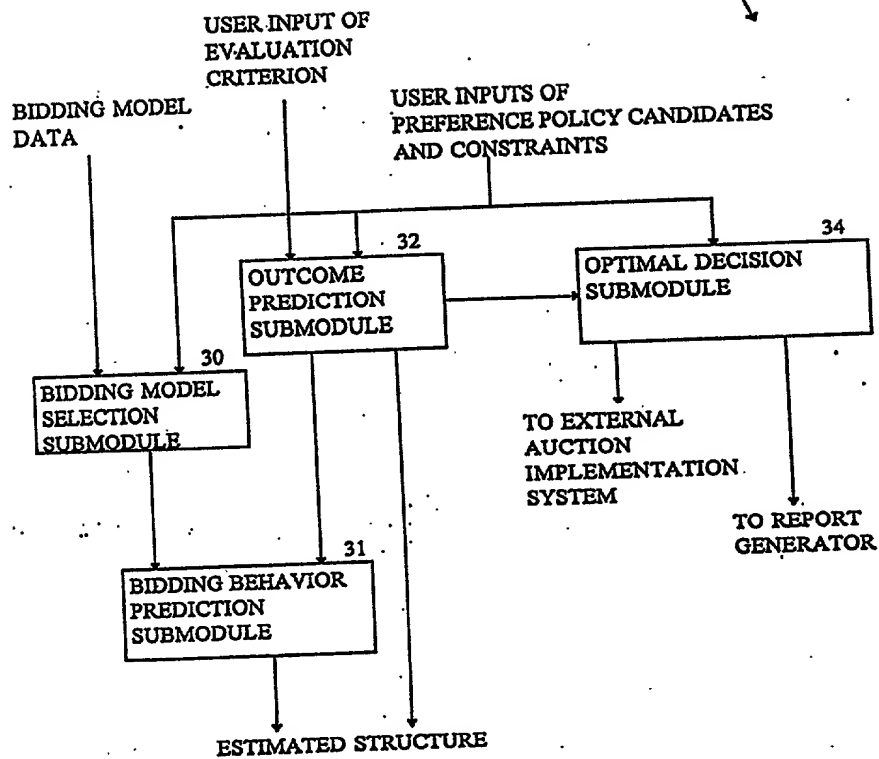


FIGURE 2



DATA SELECTION SUBMODULE

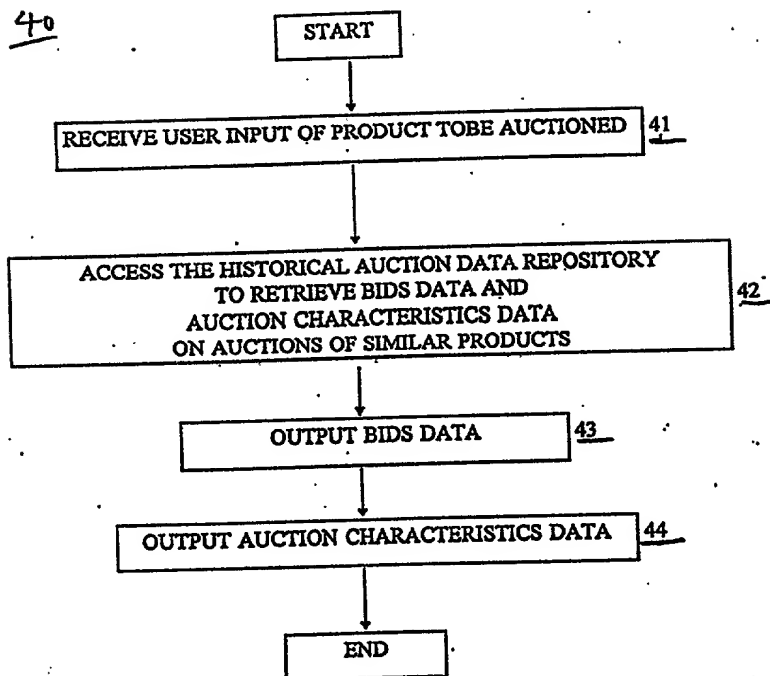


FIGURE 4

BIDDING MODEL SELECTION SUBMODULE

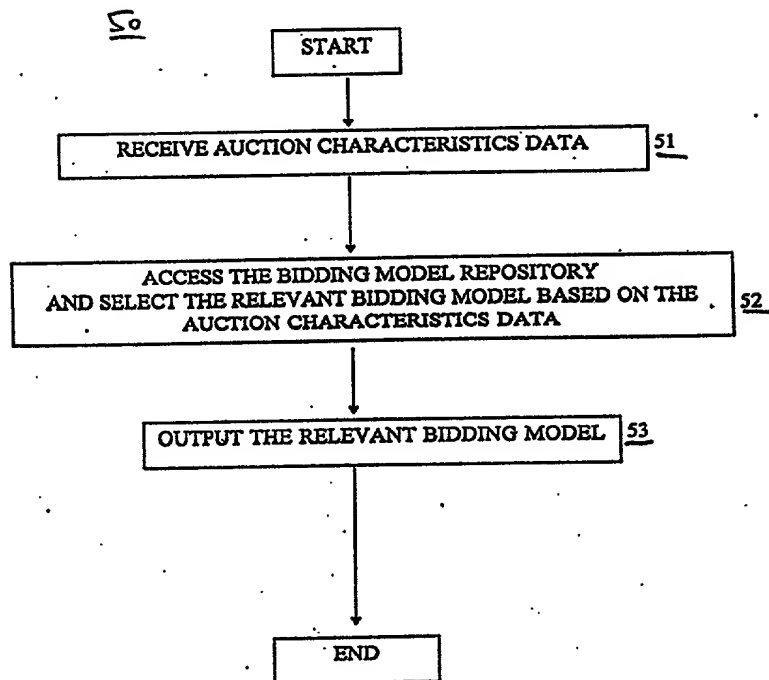


Fig.5

STRUCTURE ESTIMATION SUBMODULE

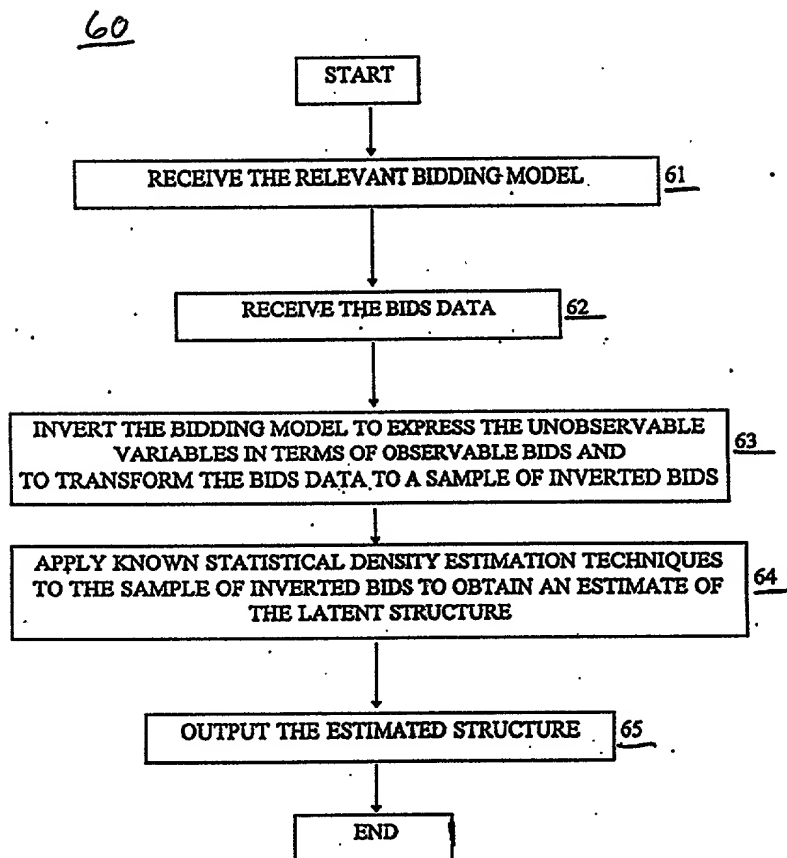


Fig. 6

BIDDING BEHAVIOR PREDICTION SUBMODULE

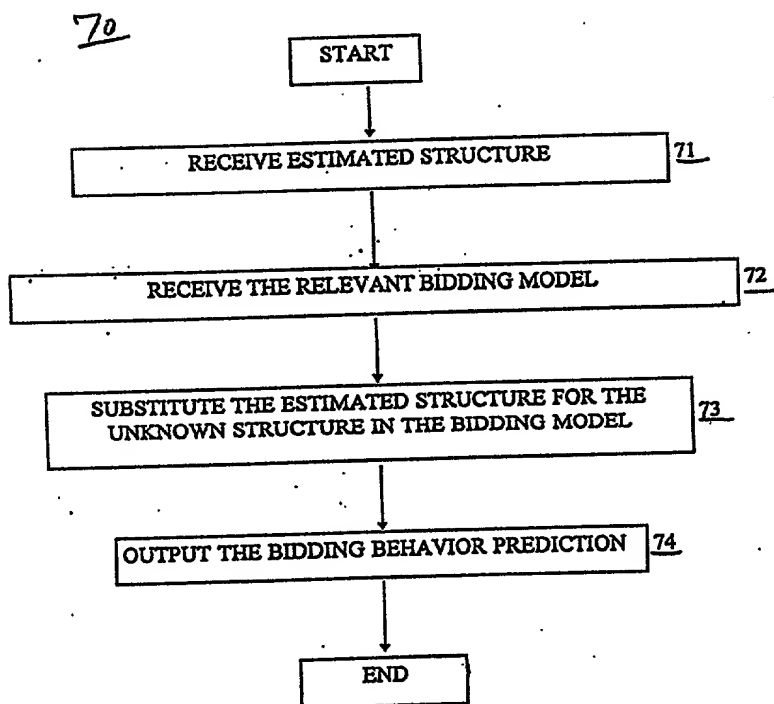


Fig 7

OUTCOME PREDICTION SUBMODULE

80

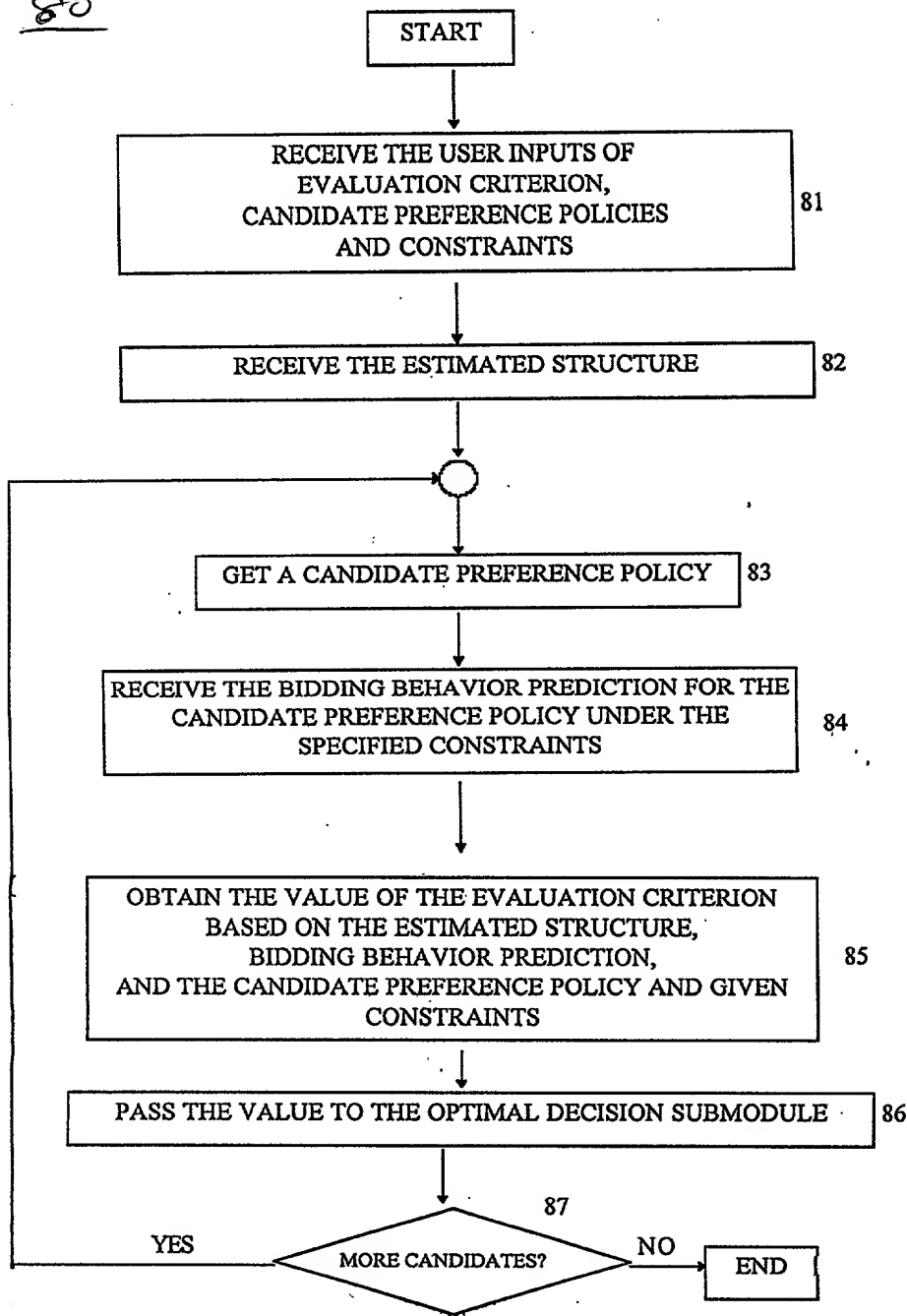


FIGURE 8

09902280 071001

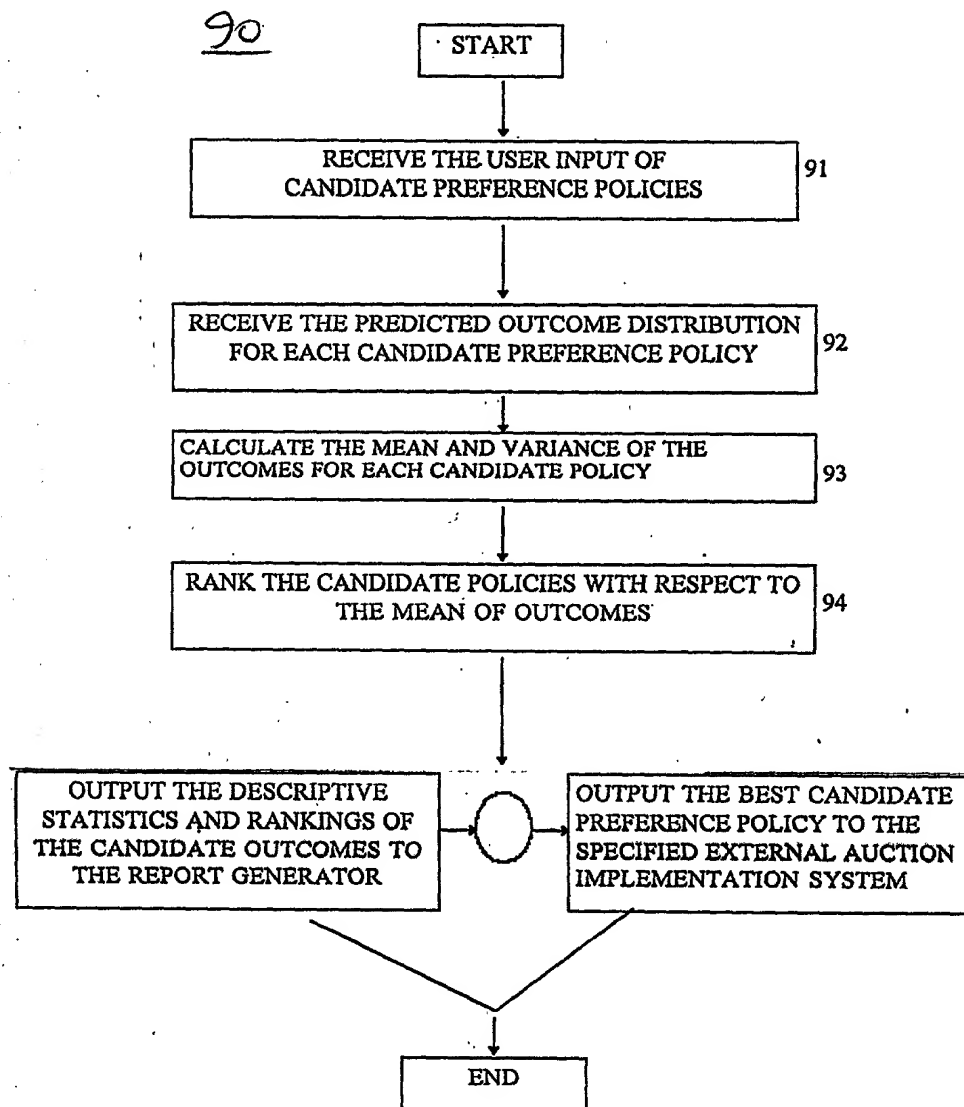


FIGURE 9

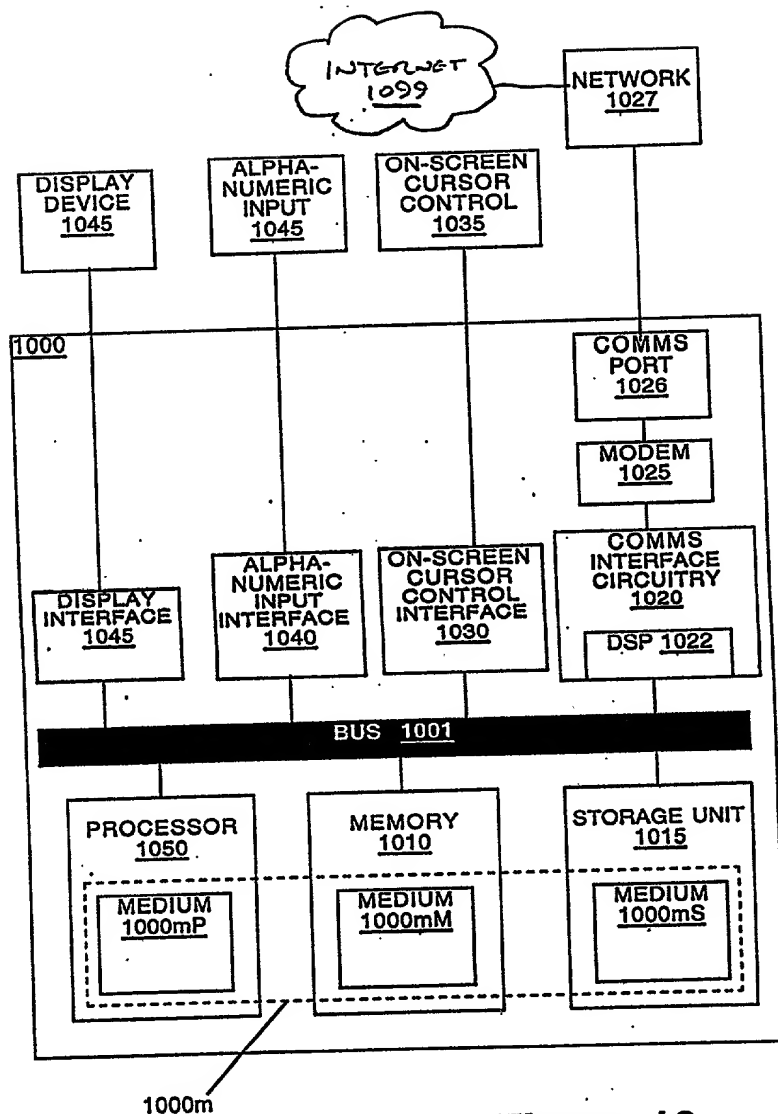


Figure 10

09902230-071001

**AUCTION CHARACTERISTICS:**

Auction ID

Item ID

Item Name

Quantity

Dates:

Announcement

Start

Close

Seller/Buyer ID

Auction Mechanism Characteristics

Invited Bidders' IDs

Participating Bidders' IDs and Bids, Quantities

Outcome:

Assigned Price for each bidder

Assigned Quantities for each bidder

Fees:

Shipping & Handling

Taxes

Auctioneer Fees:

Posting Fee

Ad Valorem Fee

**BIDS:**

Bid ID

Auction ID

Item ID

Bidder ID

Bid Time Stamp

Price Bid

Fig. 11 (sh.1)

Proxy  
Direct

Quantity Desired  
Minimum Quantity  
Currency

### Format

**Dutch**

**Scaled Bid Second Price**

**etc**

### Entry Rule

**Free**

## Invitation

**Fcc**

**Secret**

Open

**Bid Increment**

Relative

Fig. 11 (sh. 2)

Figure 1 consists of 12 histograms arranged in a single row. Each histogram represents the frequency distribution of the number of non-zero elements in the vector  $x$  for a specific value of  $n$ . The x-axis for all histograms is labeled 'x' and ranges from 0 to 120. The y-axis is labeled 'Frequency' and ranges from 0 to 100. The histograms are labeled with their corresponding  $n$  values: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, and 120. As  $n$  increases, the distribution of non-zero elements shifts to the right, indicating that more elements in the vector  $x$  are non-zero for larger values of  $n$ . The peak frequency of the distributions decreases as  $n$  increases.

Closing Rule  
Inactivity Time  
Fixed Closing Time

**ITEM CHARACTERISTICS:**

Item ID  
Name  
Description  
Location  
SKU  
Manufacturer  
Model Number  
Condition  
Warranty  
Weight  
Weight Unit  
Measurement Unit  
Currency  
List Price  
etc

**BIDDER CHARACTERISTICS:**

ID  
Segment ID  
Name  
Address  
General Information  
Socio Demographic Information  
Etc

Fig. 11 (sh. 3)

1007/0 08820660

**SELLER/BUYER CHARACTERISTICS:**

Seller/Buyer ID

Name

Address

General Information

Socio Demographic Information

Etc

Fig. 11 (sk. 4)

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120

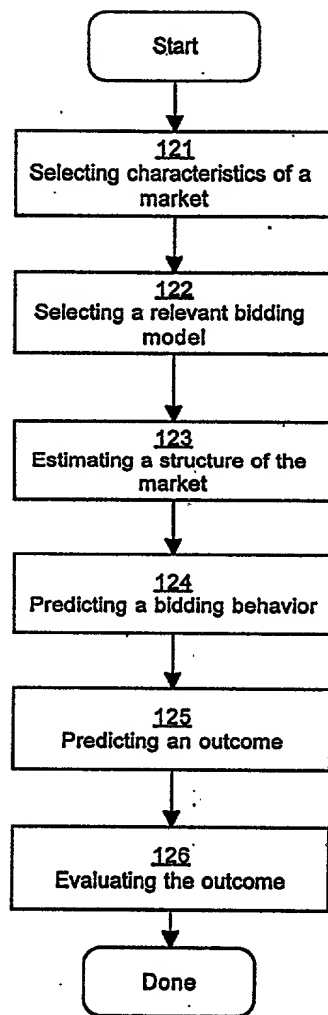


Fig. 12